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FALL OF 1895.

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SPRING OF 1896.

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HORTICULTURAL AND POMOLOGICAL  
INVESTIGATIONS

## Retail Catalogue

—OF—

# Fruit and Ornamental Trees and Shrubs

FOR SALE BY THE

## WAUKEGAN NURSERIES

WAUKEGAN, ILLINOIS.

R. DOUGLAS & SONS, Proprietors.

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To Our Patrons . . . .

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Our firm has been established in Waukegan nearly fifty years, during which time we have made the growing of Evergreens a specialty and have grown many more annually than any Nursery firm in the U. S., supplying Nurseries, Parks, Cemeteries and private grounds in every Northern State between the Atlantic and Pacific.

We have now concluded to add Fruit and Ornamental Trees, Shrubs, Plants and a general Nursery Stock, and issue this, our second General Nursery Catalogue.





FALL 1895.

SPRING 1896.

# CATALOGUE

—OF THE—

## Waukegan Nurseries.

R. DOUGLAS & SONS, Proprietors.



We call special attention to the very low prices at which we offer the within, first quality stock, and beg leave to state, to those receiving this, our catalogue, that these are our cash prices from which we allow no discount.

Our experience of over 35 years in growing Evergreens from seeds, packing and shipping millions annually, we are glad to be able to say that we ship them to arrive as safely and transplant as successfully as apple or other deciduous trees.

Our Seedlings are all assorted before shipping, and only first-class plants are sent out.

TERMS AND CONDITIONS.—The terms of payment must invariably be *cash* or *satisfactory security, before shipping*.

When goods are ordered by express, C. O. D., one half of the amount in cash must accompany the order.

We pack in strong, light boxes, for which we make a moderate charge.

No charge is made for delivering goods at Freight or Express office.

*After delivering goods to forwarders, our responsibility ceases.*



When losses occur through detention neglect *en route*, claims should be made *at once* on the forwarders.

Any mistake of ours promptly corrected if notified within ten days from receipt of goods.

Purchasers will confer a favor by stating the manner in which they wish their goods sent, by Freight or Express; also the route from Chicago, if practicable. Write Post Office address plainly.

The articles on the following list will be furnished at annexed prices only when the quantity specified is taken. Rates by 10 or 100 etc., will not apply when two or more articles or classes offered separately are included to make up the required number. We have by far the largest stock of Evergreens ever offered in the United States, *all* grown from seeds on our own grounds.

Letters of inquiry answered cheerfully.

OUR NURSERIES are located on the western shore of Lake Michigan, thirty-five miles north of Chicago, on the Milwaukee division of the Chicago & North Western Railway (on which there are eighteen passenger trains each way daily, between Chicago and Milwaukee.) and in direct communication by railroad or steamboat, with all the principal thoroughfares East and West.

Our stock is remarkably well grown, and no inferior plants will be sent out.

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## DESCRIPTIONS.

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THE WHITE PINE is without a doubt the most valuable timber tree for Northern Illinois, Northern Iowa, Minnesota, Dakota, Wisconsin, Canada and the New England States. It will not grow so rapidly as the Scotch Pine the first five years, but after ten years' planting it far excels the Scotch Pine in growth.

THE SCOTCH PINE is one of the most rapid growers of all our hardy Evergreens while young, and makes an excellent wind brake for sheltering orchards, buildings, etc.

THE NORWAY SPRUCE is so well known as being one of the best Evergreens for ornamental purposes, that it is only necessary for us to say that it is also valuable for hedges and screens.

THE AMERICAN WHITE SPRUCE is far preferable to the Norway Spruce for the West, as it endures the hot, dry winds in summer and never browns in severe winters.

THE AUSTRIAN PINE.—The Black Pine of Austria was introduced into Britain in 1835, and into this country a few years later, and is decidedly a favorite in ornamental grounds. It is very hardy, symmetrical and compact, presenting a dense mass of rich, dark green foliage in winter.

THE EUROPEAN OR TYROLESE LARCH (*Larix Europa*) is the great timber tree of Europe, combining rapid growth with great durability and extreme hardiness.

It is also very desirable as an ornamental tree, its conical shape, regular delicate branches, and soft, light green leaves, making a striking contrast to the different varieties of European and other ornamental trees.

THE RUSSIAN MULBERRY grows rapidly when young and makes a good wind brake.

THE EUROPEAN ALDER is a large tree of very rapid growth, and is adapted to land too wet for other forest trees; also grows well on dry land.

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### CATALPA SPECIOSA OR WESTERN CATALPA.

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We call particular attention to this valuable tree. Its hardiness has been tested up to 42 deg. north latitude. It is more upright and symmetrical in its growth and hardier than the Common Catalpa (*C. Bignonioides*.) which will not endure our western winters north of 40 deg.

We have personally examined into and found positive proof in numerous cases of this timber having stood as fence posts for a great number of years without decay. Its great durability, its tenacity of life, the ease with which it is transplanted, and its rapid growth, make it in our opinion, one of the most profitable trees for forest growth south of 42 degrees.



## New and Rare Evergreen Trees.

We call special attention to the Colorado Blue Spruce, *picea pungens*, and the Colorado Douglas Spruce, which are both perfectly hardy in the northwest and with the White Spruce, *picea alba*, promises to be the most ornamental and most lasting of all the hardy conifers. Specimen trees of these three kinds, from 29 to 30 feet high in Massachusetts, Illinois, Iowa, Kansas and Nebraska, convince us that they will stand extreme drouth in summer and extreme cold in winter better than the common so called hardy evergreens.

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### PICEA PUNGENS (Engelm.)

This is the Colorado Blue Spruce. This species has been tested at various points on our northwest prairies with perfect success, enduring a temperature of 30 degrees below zero in exposed situations without injury, and also very extensively near Boston, where it stood out entirely uninjured during the past sixteen years.

This is not only one of the hardiest but the most beautiful of all the Spruces. It varies from deep green to both light and dark blue in color. It is confidently believed by those who have the best opportunities for judging, that this will make the best Evergreen hedge for the northern states

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### PSEUDOTSUGA DOUGLASII (Engelm.)

ABIES DOUGLASII (FROM COLORADO).—Raised from Colorado seeds, this fine tree has proved itself perfectly hardy in the very low temperature and severe winds of the northwestern prairies, and in eastern Massachusetts where it has stood entirely uninjured during the last sixteen years, although plants raised from seeds from the Pacific coast are quite tender during similar conditions.

Too much cannot be said in praise of this magnificent and valuable tree.

All trees should be unpacked as soon as received from the Nursery; the trees dipped in mud about the thickness of paint, and either planted immediately, or heeled in, in a shady place till ready to plant. Be careful not to wet the foliage of evergreen trees when puddling the roots, and to keep the roots from drying till planted.

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## Fall Planting.

Fruit and deciduous trees and shrubs can be safely planted in the fall, but evergreens should not be planted until spring.



## Fruit Department.

We name below only a few of our trees. Those we consider best for the north and northwest. We have a large number of kinds not enumerated below, which can be had on application.

		RETAIL.		
		Each.	per 10.	Per 100
<b>APPLES.</b> (5 to 7 feet.)		\$ 25	\$ 2 00	\$17 00
	SUMMER.			
Early Colton,	Yellow Transparent.			
Red Astrachan,	Keswick Codling (cooking.)			
	AUTUMN.			
Maidens Blush.	Red Beitigheimer			
Fameuse.	Munsons Sweet.			
	WINTER.			
Ben Davis.	Peter			
King.	Wealthy			
Northwestern Greening.	Tolmans Sweet.			
<b>PEARS.</b> (5 to 6 feet.)		50	4 00	30 00
Bartlett.	Lawrence			
Clapp's Favorite.	Angou.			
Howell.	Belle Luerative			
Seckel.	Idaho.			
<b>CHERRIES.</b>		40	3 00	25 00
Bijarreau.	Early Richmond.			
Windsor.	May Duke.			
Wragg.	Late Duke.			
<b>PLUMS.</b> (5 to 6 feet.)		50	4 00	30 00
Genii.	Imperial Gage.			
Moore's Arctic.	Davison.			
<b>APRICOTS.</b>		50	4 00	
Acme.	Early Golden.			
<b>GRAPES</b> (2 years.)		15	1 00	8 00
Concord.	Pocklington			
Worden.	Delaware.			
Eaton.	Brighton			
Niagara.	Colerian			
<b>STRAWBERRIES.</b>		5	40	1 50
Crawford.	Parker Earle			
Enhance.	Wilson's Albany.			
Glendale.				
<b>BLACKBERRIES.</b>		15	1 00	
Ancient Briton.	Kittitiny			
Erie.				
<b>RASPBERRIES.</b>		10	75	5 00
Cuthbert.	Gregg.			
Turner.	Souhegan.			
Kansas.				
<b>CURRENTS.</b>		15	1 00	7 00
Black Champion.	Fay's Prolific.			
Cherry.	North Star			
White Grape	White Dutch			
<b>GOOSEBERRIES.</b>		25	2 00	
Downing.	Industry.			
Houghton Seedling.				

## New and Rare Evergreens.

### SEVERAL TIMES TRANSPLANTED.

We have a few hundred Colorado Blue Spruce, *Picea pungens*, 5½ to 7 feet high, perfect specimens that have stood a good distance apart and are perfect in form. Also Douglas Spruce, *Pseudotsuga Douglasii*, grown in same manner. 8 to 10 feet high, carefully packed, f. o. b. @ \$5.00 each.

		RETAIL.	
		Each.	Per 10.
<i>Picea pungens</i> , blue form, from Colorado Seeds, 4 to 5 ft..		\$3 00	\$25 00
“ “ “ “ “ “ “ 2 to 4 ft..		2 50	20 00
“ “ green “ “ “ “ 5 to 7 ft..		2 00	15 00
“ “ “ “ “ “ “ 3 to 5 ft..		1 00	8 00
“ “ “ “ “ “ “ 2 to 2½ ft..		75	6 00
<i>Pseudotsuga Douglasii</i> , “ “ “ “ 5 to 6 ft..		3 00	25 00
“ “ “ “ “ “ “ 3 to 4½ ft..		2 50	20 00
“ “ “ “ “ “ “ 2 to 2½ ft..		75	6 00
<i>Abies Concolor</i> , from Colorado Seeds.....12 to 15 in..		75	6 00
“ <i>Sibirica</i> , ..... 2 to 2½ ft..		1 00	8 00
<i>Thuja Occidentalis</i> , Douglas Golden Arbor Vitae..... 2 to 3 ft..		1 00	8 00
<i>Thuja Occidentalis</i> , Douglas Golden Arbor Vitae, ..... 12 to 18 in..		75	6 00
<i>Thuja Occidentalis</i> , Douglas Pyramid Arbor Vitae..... 2 to 3 ft..		1 00	8 00
<i>Thuja Occidentalis</i> , Douglas Pyramid Arbor Vitae ..... 12 to 18 in..		75	6 00
<i>Thuja Occidentalis</i> , Douglas Little Gem 6 in. diameter..... 6 in..		1 00	8 00
<i>Thuja Occidentalis</i> , Siberian Arbor Vitae, ..... 2 to 3 ft..		50	4 00
<i>Juniperus Communis</i> Var <i>Aurea</i> , Golden Juniper..12 in..		1 00	8 00
“ <i>Sabina</i> Var <i>procumbens</i> , Waukegan trailing Juniper..... 12 in..		50	4 00

NOTE.—This catalogue only gives prices on transplanted stock. We have the largest stock of evergreen and deciduous seedlings in the country.



## New and Rare Evergreen Seedlings.

		Per 100	Per 1,000
Picea Pungens Colorado Spruce.....	3 years	\$ 3 50	\$20 00
“ “ “ “.....	2 “	2 50	12 00
Pseudotsuga Douglasii . . . . .	3 “	3 50	25 00
“ “ “ “.....	2 “	2 50	15 00
Abies Concolor.....	6 to 8 inches	6 00	45 00
“ “.....	4 to 6 “	4 00	30 00
Pinus Ponderosa.....	2 years, strong	4 00	30 00

## Evergreen Trees.

Several times transplanted. All very thrifty and stocky.

		RETAIL.		
		Each.	Per 10.	Per 100
Norway Spruce.....	5 to 6 feet.	\$1 00	\$7 50	\$
“ “.....	4 to 5 feet.	75	5 00	
“ “.....	3 to 4 feet.	50	3 50	30 00
“ “.....	2 to 3 feet.	35	2 50	20 00
White Spruce.....	5 to 6 feet.	1 00	7 50	
“ “.....	4 to 5 feet.	75	5 00	
“ “.....	3 to 4 feet.	50	3 50	30 00
“ “.....	2 to 3 feet.	35	2 50	20 00
Mountain Pine.....	2 feet in diameter. 18 to 24 feet.	50	3 50	
“ “.....	1 foot in diameter. 12 to 18 feet.	30	2 50	
Red Pine.....	3 to 3½ feet.	75	5 00	30 00
“ “.....	2 to 3 feet.	50	3 50	25 00
White Pine.....	18 to 20 in.	30	2 50	
Austrian Pine.....	2 to 3 feet.	30	2 50	
Scotch Pine.....	12 to 15 in.	10	75	5 00
American Arbor Vitae.....	2 to 3 feet.	30	2 50	20 00
Balsam Fir.....	1 to 2 feet.	30	2 50	

## Evergreen Tree Seedlings.

The following are very fine, stocky and well rooted and far superior to imported trees of same age, as they make a fine growth the first season after transplanting.

	Per 100	Per 1,000	Per 10,000
Norway Spruce..... 6 to 9 inches	\$ 1 50	\$ 7 00	\$65 00
“ “..... 4 to 6 “	1 00	3 50	30 00
White Spruce..... 6 to 9 “	1 50	9 00	
“ “..... 4 to 6 “	1 00	5 00	
Scotch Pine..... 12 to 15 “	2 00	8 00	75 00
“ “..... 8 to 10 “	1 50	5 00	45 00
“ “..... 4 to 6 “	1 00	3 00	25 00
Austrian Pine..... 6 to 8 “	1 50	7 00	55 00
“ “..... 4 to 6 “	1 00	5 00	45 00
White Pine..... 3 years	1 50	8 00	75 00
“ “..... 2 “	1 00	5 00	45 00
Mountain Pine..... 3 “	1 50	8 00	75 00
American Arborvitae..... 3 “	1 50	5 00	45 00
“ “..... 2 “	1 00	3 50	30 00

## Shade and Ornamental Trees.

MAILING SIZE. POSTAGE PAID. ALL TRANSPLANTED.

	RETAIL.	
	Each.	Per 5.
American Elm.....	25	\$1 00
“ Linden.....	25	1 00
Horse Chestnut.....	25	1 00
Catalpa Speciosa.....	15	60
European Larch.....	25	1 00
Mountain Ash, American.....	25	1 00
Norway Maple.....	25	1 00
Sugar “.....	25	1 00
Silver “.....	25	1 00
Carolina Poplar.....	25	1 00
Green Ash.....	25	1 00
Weeping Willow.....	25	1 00
Golden “.....	25	1 00
Russian Mulberry.....	15	60
Prunus pumila, Sand Plum.....	25	



## Evergreens Transplanted.

MAILING SIZE. POSTAGE PAID.	RETAIL.	
	Each.	Per 5.
Arbor Vitae, American.....	\$ 25	\$1 00
“ “ Douglas Golden.....	35	1 50
“ “ “ Little Gem.....	35	1 50
“ “ “ Pyramid.....	35	1 50
“ “ Siberian.....	35	1 50
Juniper, Douglas Golden.....	1 00	
Picea pungens, blue.....	25	1 00
“ “ green.....	15	60
Douglas Spruce.....	25	1 00
White Spruce.....	15	60
Norway Spruce.....	15	60
Scotch Pine.....	15	60
White “.....	15	60

## Forest and Ornamental Tree Seedlings.

	Per 100	Per 1,000
Silver or Soft Maple.....10 to 18 inches	\$ 1 00	\$ 3 50
Norway Maple.....	1 50	5 00
Sugar Maple.....	1 00	4 00
Catalpa Speciosa.....	1 00	3 50
European Larch.....	1 50	8 00
“ “.....	1 00	4 00
Black or Yellow Locust.....	1 00	4 00
White Ash.....	1 00	3 50
Box Elder.....	1 00	3 50
Ailanthus Glandulosus.....	1 00	5 00





## Roses. —————

50c. each; \$3 50 per 10; \$25.00 per 100. Retail.

Below we give a list of hardy roses. They are all fine plants grown out of doors for two years. We also handle a great many others, Teas, Noisette, etc.

American Beauty, very large, deep rose color.  
Eugene Furst, velvety crimson.  
Fisher Holmes, crimson scarlet.  
John Hopper, brilliant rose.  
Magna Charta, bright pink.  
Mrs. J. H. Laing, soft pink.  
Prince Camille de Rohan, velvety crimson.  
Gloire de Dijon.  
Glory of Moses, pale rose.  
Harrison's Yellow.  
Sweet Brier, rosy pink single flowers.  
Anna de Diesbech, bright rose, large and showy.  
Earl of Dufferin, large velvety crimson.  
General Jacqueminot, brilliant crimson.  
Paul Neyron, deep rose, very large.  
Mad. Charles Wood, crimson.  
Marshall P. Wilder, cherry carmine.  
Ulrich Bruner, cherry red.  
Mme. G. Bruant, white semi-double.  
Luxumberg, bright crimson (moss.)  
Madam Plantier, pure white, very double.  
Rosa Rugosa, single crimson, followed by large red berries.





## Hardy Border Plants.

	Each.	Per 10.
Anemone Japonica, Alba, pure white golden center.....	\$ 30	\$ 2 00
"    "    Rubra, deep rose, yellow center.....	30	2 00
Asclepias Tuberosa, brilliant orange red.....	30	2 00
Aquilegia Cerulea (Columbine) in variety.....	25	2 00
Delphinium, in variety.....	25	2 00
Dicentra Spectabilis, bleeding heart, rose color.....	25	2 00
Erianthus Ravennae, Ravenna Grass, very fine for clump on lawn.	25	2 00
Eulalia Japonica Variegata, Variegated Grass, height 4 to 6 feet.	50	4 00
"    Zebrina, Variegated Grass, very fine.....	50	4 00
Gaillardia Grandiflora, fine center, dark brown, petals orange to red.....	25	2 00
Funkia Alba, Day Lily, pure white.....	50	
Helianthus Multiflorus, Dwarf Sunflower, very fine.....	25	2 00
Phlox, in variety.....	25	2 00
Pæonies, in variety.....	35to75	

**SPECIAL PRICES.**—When large quantities of trees or shrubs are wanted give us a list of what is needed with the sizes wanted, that we may make a special price on it.

## Ornamental Trees.

	Each.	Per 10.
Catalpa Speciosa..... 6 to 8 feet.	\$ 50	\$4 00
Horse Chestnut..... 6 to 7 feet.	75	6 00
Judas Tree..... 4 to 5 feet.	50	4 00
Magnolia Acuminata..... 5 to 6 feet.	75	6 00
Maple, Silver..... 10 to 12 feet.	50	4 00
"    "    ..... 8 to 10 feet.	40	3 00
"    Norway..... 6 to 8 feet.	50	4 50
"    Sugar..... 6 to 8 feet.	50	4 00
"    Wiers, cut leaved..... 6 to 8 feet.	75	6 00
Mountain Ash, American..... 5 to 6 feet.	1 00	7 50
"    European..... 5 to 7 feet.	1 00	7 50
Poplar, Carolina..... 8 to 10 feet.	50	3 50
"    "    ..... 6 to 8 feet.	30	2 50
"    Golden..... 6 to 8 feet.	75	6 00
Wild Black Cherry..... 8 to 10 feet.	75	6 00
Elm, American..... 8 to 10 feet.	1 00	10 00
"    "    ..... 6 to 8 feet.	75	6 00
Linden, American..... 4 to 6 feet.	50	4 00
Birch, European, white..... 10 to 12 feet.	1 00	8 00
"    "    ..... 8 to 10 feet.	75	6 00
Ash, green..... 6 to 8 feet.	50	3 50
Salisburya, Adiantifolia..... 5 to 7 feet.	75	6 50
Tulip Tree..... 6 to 8 feet.	75	6 00
White Fringe..... 4 to 5 feet.	50	4 50
Laurel leaved Willow..... 5 to 6 feet.	50	4 00

